

FOLIO

UNIVERSITY
OF ALBERTA

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Law launches 75th anniversary campaign

Goal set at \$3 million

By Shannon Zwicker

More than 500 people attended the launch of the Faculty of Law's major fundraising campaign on Wednesday at the Citadel's Shoter Theatre. "Campaign '75" has as its theme "Honouring the past. Ensuring the Future" and has set its goal at \$3 million.

The Honourable Allan Rock, Minister of Justice and Attorney General for Canada, was the keynote speaker. Rock told his audience he considered his law degree a gift and encouraged others to give something in return for the "gift of law" they had received at the University of Alberta.

"Campaign '75" has already raised or received pledges of more than \$1.3 million.

Campaign giving began at home with \$10,000 coming from the Law Students' Association, \$258,600 from faculty members, professional staff, librarians and members of the centres and institutes at the Law Centre, and a further \$283,500 from the Campaign '75 cabinet.

So far, major gifts have been received from Maureen Decore and family, the CN, and David and Brenda McLean of Vancouver.



Funds from the campaign will be used to boost library holdings and improve accessibility for students and practitioners through the application of information technology. The John V. Decore Centre for Alternative Dispute Resolution will open this year with funds donated to the campaign.

Donors will also be able to direct their gift to scholarships, bursaries and a number of other major projects planned for the Faculty. Allocation of the funds will be determined by a management committee composed of practitioners and others actively involved in the law campaign.

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Gary McPherson and Jake Superstein will cross Jubilee Auditorium stage to accept honorary LLDs

A campaign committee comprising senior law graduates including campaign co-chairs, Gary Campbell, Rod McLennan and Tevie Miller, with assistance from Dean Tim Christian, has worked for the past 18 months raising funds and preparing for the launch.

The Faculty of Law first offered classes in 1921 and now has approximately 4,500 alumni worldwide. Currently there are 500 students enrolled in law and 11 students in the Master of Laws program. The Faculty of Law has more required courses than any other law school in Canada, ensuring that graduates leave with a firm grounding in the fundamentals of law. ■

WO Mitchell among alumni honoured at Reunion Weekend '95

By Charlene Rooke

A beloved author, a renowned builder, a popular broadcaster, and a dedicated friend of the University of Alberta were among those honoured at the annual Reunion Weekend dinner and dance, 30 September.

University of Alberta Alumni Association President Lloyd Malin welcomed 400 graduates and their guests to the Westin Hotel, including 14 alumni from the Class of 1935. Also on hand to greet alumni were President Rod Fraser and Chancellor Lou Hyndman, who delivered toasts to the special anniversary Classes of 1945, '55, and '70.

In attendance was Mayor Jan Reimer, a '73 BA graduate, who had officially declared 29 and 30 September and 1 October "University Days" in Edmonton at the Reunion Weekend kickoff Friday evening.

The highlight of Saturday's gala celebration was the presentation of Distinguished Alumni Awards to WO Mitchell, Jay Ingram and Robert Stollery, and the presentation of the Alumni Golden Jubilee Award to Tevie Miller.

Mitchell is best known as the author of the 1947 novel *Who Has Seen the Wind* and for his work as a writer-in-residence at several Canadian universities. Mitchell paid special tribute to legendary English Professor FM Salter, who helped him give shape to *Who Has Seen the Wind* while Mitchell was a U of A student. The venerable author said, "I owe, first of all, my



Classmates Shirley Larsen, left, and Emmy Meetsma, both 1970 Home Economics graduates, exchange memories and autographs at the Reunion Weekend '95 Tuck Shop breakfast at Alumni House.

career as a teacher and, less importantly, my career as a writer, to this University."

Ingram, the former host of CBC Radio's "Quirks and Quarks" and the host of

@discovery.ca on the Discovery Channel revealed that his fascination with broadcasting may have had its genesis at the University of Alberta. Ingram recalled

spending much of his fourth year holed up in the campus radio station, recording what he called a "party tape." The opportunity to explore all kinds of different learning experiences is what makes this University great, Ingram said.

Dr Stollery is chairman and former CEO of PCL Constructors Inc and the founding president of the Edmonton Community Foundation. PCL Constructors Inc is one of the largest contractors in North America with 22 offices. It also conducts business internationally. Projects completed under Dr Stollery's direction include Vancouver's Alex Fraser Bridge, the largest cable-stayed bridge span in the world; Minnesota's Mall of America, the largest enclosed shopping complex in the United States; and, at the U of A, the Students' Union Building and the Walter Mackenzie Health Sciences Centre.

The Alumni Golden Jubilee Award is for outstanding service to the University of Alberta. This year's recipient, Tevie Miller, has been Chancellor and president of the Alumni Association, and is a special lecturer in the Faculty of Law and one of three co-chairs of that Faculty's 75th anniversary campaign. The justice of the Court of Queen's Bench of Alberta is also an ardent community supporter. ■

Charlene Rooke is Communications Associate and Associate Editor, New Trail Magazine.

Professors Emeriti seeking agreement with University on teaching

Trying to find a way to allow some retired professors to continue teaching

By Michael Robb

The light bulb doesn't just switch off when you reach the age of 65. That's the message a group of retired professors is making in offices and hallways across the University campus.

Moreover, the Association of Professors Emeriti is trying to reach an agreement with the University of Alberta that would allow some retired professors to continue teaching, in exchange for a receipt for a charitable contribution.

The agreement would do at least three things, says Professor Emeritus Tom Nelson (Psychology). It would keep the expertise and experience in the institution, provide mentoring for senior undergraduate and graduate students and not cost the University any money.

The Association is exploring the idea with the University and with Revenue Canada. Legal advice has also been sought. The professors, on mutually agreeable terms, would teach a few senior undergraduate courses. The University, in turn, would issue the professors receipts for charitable donations, thus reducing their taxable income.

"I have all the time in the world for those students, no courses to teach and no committee meetings to attend," Dr Nelson says, pointing out that some departments are finding it difficult to continue offering the small-enrollment, senior undergraduate courses. It would also benefit those people who love to teach and are unable to do so anymore. "In our society, people are to some extent what they do," Dr Nelson says. This would allow some professors to say, "I'm retired, but I still teach."

According to Eugene Lechelt, chair of Chair's Council, the issue has been de-

bated for several years. "We would like to involve selective retired professors more meaningfully in teaching, mentoring and research. They might be able to teach senior undergraduate courses that we typically couldn't offer."

It's a tough issue, however, acknowledges Association of Professors Emeriti President Gerald McCaughey. Some full-time professors are against the idea, and it will take a while to resolve things. The

next step is to get the University onside officially and then go to Revenue Canada to clarify the tax implications.

Dr Nelson said a small group of retired professors realized that in the '80s the University was losing a number of scholars who wanted to remain active. Retired professors don't pose a threat to sessionals and new professors, he says. "We don't want to teach at the introductory level. We're not scab labour."



Michael Robb

A DAY OF MUSIC

The Centre for Ethnomusicology filled the hallways of the Fine Arts Building with music from around the world and around the corner. Visitors were able to check out the Centre's database and instrument displays and listen to a variety of music. Kerry Linn, playing the Celtic harp, was one of more than 10 performers or groups who played during the 4 October open house festivities. The Centre is dedicated to promoting collaborative research between scholars and musicians in the local, national and international communities.

United Way campus campaign at hand

Goal is \$225,000

By Ron Thomas

A more personal approach and exciting news special events make the 1995 United Way campaign on campus markedly different from previous editions.

Our number one goal as a committee is to personalize the campaign, says campaign co-chair John Barry. Volunteers will bring pledge forms to about half of the University's staff (next year, there should be personal delivery to all staff).

The Timms Centre for the Arts will play a role in raising awareness for the campaign, which runs from 16 October to 17 November. Plays will be staged during noon hours, there will be tours of the Centre, and United Way agencies will be on hand to promote the campaign.

A giant community garage sale in the Butterdome is being planned for next month and a U of A cookbook is being put together, although it may not be available until the '96 campaign.

As for the actual opening of the campaign, if weather permits, skydivers will sail onto targets in the Quad at approximately 12:30 pm on the 16th. Display booths will be opened in HUB, SUB and CAB.

Barry and co-chair Allan Mah are looking forward to a spirited campaign, one that will be shorter (four weeks instead of seven) and more intense than previous campaigns. Barry, who also served as co-chair last year, grimaces when he recalls that the five percent cut-back in salaries occurred just as the 1994 kickoff was announced.

"Morale on campus certainly seems better this year," Barry says. "People are more receptive to the kinds of problems that people in our community face on a day-to-day basis."

Another welcome wrinkle is the establishment of the United Way Students' Association. More than 50 students have joined, and the executive, led by president Mohammed Motamedi, is planning a number of events, including a fashion show on 10 November at the Rev. Cabaret. About 500 students are expected to buy tickets for the event. The Association has to meet expenses, including professional help with the choreography, but all remaining money will be forwarded to United Way.

Motamedi says that one of the United Way's 44 member agencies will be selected and students (Association members and nonmembers alike) will spend a day there in a volunteer capacity. And the Association is setting up an on-campus speaking engagement for Harry Buddle, chair of the United Way Alberta Capital Region.

"It's wonderful to get the student body involved with a campaign highlighting 'The Hand That Helps the Most'," Barry says.

The goal of this year's on-campus campaign, \$225,000, is up \$10,000 from last year's goal and down \$25,000 from the University's most ambitious campaign, which was conducted in 1993. "You only have to see for yourself once or twice where the money is actually directed to realize how important the United Way campaign is," Barry says.

"If we don't hit our target, it won't be for lack of trying."



CURRENTS

Chair Selection Committee, Department of Sociology

The Faculty of Arts announces that a Chair Selection Committee is being established for the Department of Sociology. Sociology is a major department in the University of Alberta, with a large undergraduate enrollment, strong graduate programs, and an excellent research profile in several areas. Its next Chair will meet the challenge of developing research in the department's areas of excellence, of recruiting new staff, and of developing programs for the future. The committee will welcome suggestions of potential candidates, together with nominations and applications. Correspondence on the subject should be addressed to Dr Patricia Clements, Dean of Arts, 6-33 Humanities Centre.

Call for papers: Canadian Association for Distance Education Conference

Papers are invited for the 12th Annual Canadian Association for Distance Education Conference, 22-25 May in Moncton. The theme of the conference is "Distance Education: The Link That Brings Us Together"; subthemes will be developed related to: converging technologies; teaching/learning strategies; organizational issues; public and private sector linkages; and global village concepts.

Deadline for submissions is 31 October 1995. Session proposals should be submitted under one of the five major subthemes. For more information: CADE 1996 Conference, Continuing Education, Université de Moncton, Moncton, NB E1A 3E9 Telephone: (506) 858-4121, fax: (506) 858-4489, Internet: distance@umoncton.ca

Women's Studies Program

The Women's Studies Program would like to establish a list of as many persons as possible interested in Women's Studies for information, academic and social purposes. In order to reach everybody on campus involved in research and/or teaching in Women's Studies, we ask you to identify yourself as soon as possible (*no later than 20 October*). If you were a member of the Women's Studies Committee during one of the last three years (1992-95), you do not need to contact us since we already have your names. This list will allow us to keep a close contact between ourselves. Furthermore, the Women's Studies Program needs to elect two members for the new executive committee from the community-at-large. We would like to have a large pool of candidates. If you want to know what's happening in Women's Studies, please forward your name and address (Chair, Women's Studies, 13-15 Tory Building; telephone 492-0593; E-mail: cspotvin@gpu.srv.ualberta.ca) or call Gail Mathew, 492-7078.



CORE CORRECTION

Folio, working with information supplied by the Faculty of Graduate Studies and Research, noted that 1995 Killam Memorial Postdoctoral Fellow Colleen Cassidy St Clair is in the Department of History and Classics ("Killam Endowments support U of A scholars", 29 September, page 8). In fact, Cassidy St Clair is in the Department of Biological Sciences. Shelley Weaver's name was inadvertently omitted from the awards booklet. She is a 1995 Killam Memorial Doctoral Scholar in the Department of Agricultural, Food and Nutritional Science.

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Folio's mandate is to serve as a credible news source for internal audiences by communicating accurate and timely information about issues, programs, people and events.

DEADLINES:

Notice of coming events: 9 am three weeks in advance of event. Classified advertisements: 3 pm one week before desired publication date. This date also serves as the deadline for cancellation of advertisements. Advertisements cost 40 cents per word with no discount for subsequent insertions. There is a limit of 40 words and a minimum charge of \$2.00. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Display advertisements: 3 pm Friday, seven days before desired publication date. Camera-ready artwork is required to size, complete with halftones if necessary. Call 465-3307 for sizes, rates and other particulars.

The editor reserves the right to limit, select, edit and position submitted copy and advertisements. Views expressed in *Folio* do not necessarily reflect University policy. *Folio* contents may be printed with acknowledgment.

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University
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Strong U of A presence at ASTech competition

By Folio staff

The University of Alberta has a number of people in the running for ASTech (Alberta Science and Technology) Awards.

In the category Outstanding Leadership in Alberta Science are Bob Hodges (Biochemistry), Tim Mossman (Medical Microbiology and Immunology) and the islet transplant team of Ray Rajotte, Garth Warnock and Norman Kneteman, each of whom is with the Department of Surgery.

Karl Chuang (Chemical Engineering) is a finalist in the Outstanding Leadership in Alberta Technology category.

The award winners will be named at the ASTech Awards gala in Calgary, 3 November. In excess of 650 representatives from the province's advanced technology, research, government and business sectors are expected to attend. As part of the gala, Dr John Colter, former Chai of the U of A's Department of Bio-

chemistry, will be honoured for Outstanding Contribution to the Alberta Science and Technology Community, and Civil Engineering Professor Norbert Morgenstern will be honoured for Innovation in Oil Sands Research.

"We want to attract attention to Alberta's successes and we have 13 finalists and six winners who are doing amazing work," says ASTech Foundation Chairman Anthony Harckham. "These Albertans are 'heros' we look up to."



David Norwood

PRIME PROPONENTS OF RESEARCH MAKES SENSE

Bob Hodges, right, Network leader, Protein Engineering Network of Centres of Excellence (PENCE) (Biochemistry), shares some thoughts with President Rod Fraser before speaking at the first Research Makes Sense Forum of this academic year.

University, community mourn the passing of Einer Boberg and Bill Paranchych

By Folio staff

Einer Boberg and Bill Paranchych, each a highly respected member of the University of Alberta community, have died of cancer. Dr Boberg, professor of Speech Pathology and Audiology, died on 1 October; Dr Paranchych, professor of Biological Sciences, died on 31 July.

Both men were born in Drumheller, Alberta: Dr Boberg, 60 years ago, and Dr Paranchych, 62 years ago.

Dr Boberg graduated from the University of Iowa and the University of Minnesota. He came to the U of A in 1971 from the

Division of Communication Disorders at the University of Wisconsin. A year later, he started intensive summer clinics for stutterers at the University of Alberta Hospitals. "I based the clinics partly on a program in Australia and partly on my own experience as a severe stutterer," said Dr Boberg, who suffered from the disability for almost 30 years.

The clinics met with such success that they outgrew their assigned space, prompting Dr Boberg to open the Institute for Stuttering Treatment and Research. A nonprofit agency affiliated with the University, the institute helps clients of all ages and with all degrees of severity.

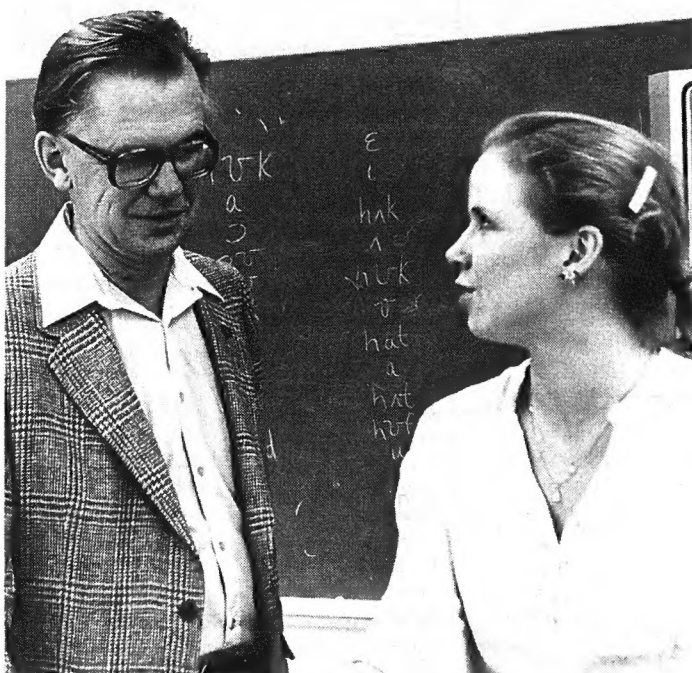
One Edmontonian who went through the program in 1986 said: "Boberg speaks to every group that goes through and that's when I first met him. I find him to be one heck of a man. He's put his whole life into creating this institute and trying to help other stutterers."

"He's had the problems of childhood [stuttering], the problems of trying to cope with going to school and dealing with the public, so he knows what we go through."

"Whenever you have problems he's a phone call away."

In late 1991, during his tenure as a Killam Annual Professor, Dr Boberg said: "Since 1972 we have treated over 600 stutterers: children who can now attend school without fear of cruel teasing; adults who can seek an appropriate vocation and enjoy a normal social life freed from the silent agony of stuttering."

Looking back on more than two decades of involvement with the stuttering program, he said one of the greatest privileges of those years has been "working professionally on something that was always personally important to me."



Rick Pilger

In this photo from the mid-'80s, Einer Boberg discusses the stuttering clinics with student Jody Marshall.

Bill Paranchych received his undergraduate education at the University of Alberta and earned his MSc in Biochemistry here in 1958. A move to McGill (PhD 1961) was followed by a move to the Wistar Institute in Philadelphia where he began his work in biochemical virology.

Dr Paranchych was appointed to the U of A's Department of Biochemistry in 1963 and was an essential contributor to the building of that department. He also developed an enviable international reputation for his research on the structure and function of bacterial pili—the structures by which many bacteria adhere to surfaces during infection.

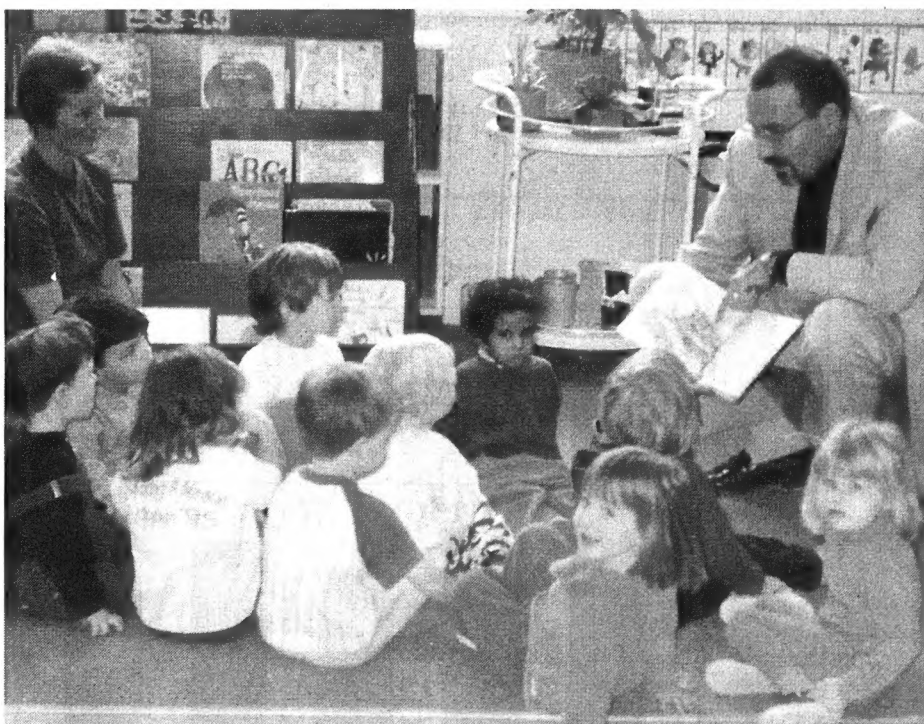
Dr Paranchych remained in the department for 26 years, teaching a variety of introductory, intermediate and advanced courses and researching synthetic peptide vaccine development for bacterial and viral diseases. In 1989, he assumed the chairmanship of the Department of Microbiology in the Faculty of Science. Five years later, he was appointed the first Chair of the newly formed Department of Biological Sciences.

"Bill's contributions to the University of Alberta are colossal but difficult to enumerate because many of them are subtle," Bill Bridger, a longtime colleague and Associate Vice-President (Research), said at the memorial service for Dr Paranchych. "But it is fair to say that he was both a dreamer and a builder, who knew that it was possible for a university on the Canadian prairie to expect to compete with the very best institutions in the world, and to expect the same standards of excellence, performance and dedication. He wasn't quite alone in that belief, but he was evangelical in his dedication to it. Many of us here today are direct beneficiaries and will be forever indebted."



Bill Paranchych

In a tribute to Dr Paranchych at Medical Faculty Council, Vern Paetkau, Chair of Biochemistry, said: "There are many things one could say about Bill the academic and scientist to illustrate his abilities, but perhaps the most telling is, that he continually attracted some of the very best students and led them to research careers. His graduates and trainees can be found in positions of influence across the country and around the world."



Kathleen DeLong

SETTLING IN FOR A GOOD READ

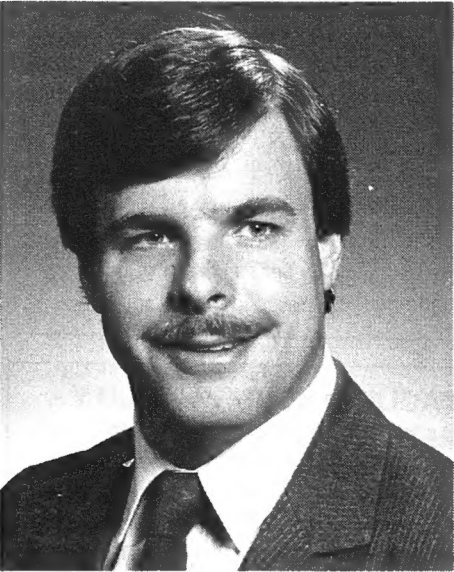
Chief Librarian and Director of Libraries Ernie Ingles has the undivided attention of almost everyone in this Garneau/University Child Care Centre gathering. Ingles, along with Patricia Clements, Dean of Arts; Harvey Zingle, Dean of Education; and Anna Altmann, Associate Professor of Library and Information Studies, represented the University of Alberta during READ-IN '95, 2-6 October. Ingles said it's nice to see that despite talk and predictions to the contrary, books aren't dead and kids still love them.

issues facing graduate studies

Graduate student enrollment down

Important University increase its graduate student support, says the Dean

By Michael Robb



Murray Gray

For the second year in a row, graduate student enrollment is down at the University of Alberta, and the number of visa students in the Faculty of Graduate Studies and Research is also down. By the time the official tally is taken 1 December, there will be about 4,050 graduate students, officials predict. That would represent a decrease of about 250 students. Graduate student enrollment is down, with a couple of exceptions, at other Canadian universities as well, says FGSR Dean Murray Gray, and enrollment of international students is down even more. Within the University, there has been a substantial drop in the number of graduate students enrolled in graduate programs in Education, about 130 students. "Our drop in graduate enrollment last year was largely attributable to the Faculty of Education; this year it's more broadly based," Dr Gray said last week. "Last year, the Faculty of Education dropped its graduate admissions significantly, based on Quality First and other considerations," the Dean explains, recalling the University's policy decision to reduce the numbers of graduate students in that Faculty. Some of those programs dropped by as much as 50 percent. "What we're seeing now is the echo of that decision taken last year; the master's students aren't there in their second year because

they weren't admitted last year. But in the meantime, the students they had are already graduating." There is another fairly significant reason why graduate student enrollment is down: all the other major Faculties are down. New graduate student enrollment in Arts, Engineering, Science and Medicine is down. In proportion to its size, Engineering is down significantly. The trend is fairly broadly based, the Dean says, pointing out that without Education in the equation, the U of A is likely fairly close to the national average. Those major Faculties are also down in new graduate student enrollments. That means they'll shrink again next year, unless they increase admissions again. Another concern is the international student enrollment in the University's graduate programs. In 1990-91, the enrollment dropped significantly from the peak in 1989. That was when the provincial government imposed the 100 percent differential fee on international students. Then the enrollment of international students stabilized at about 750 students for four successive years. This year, that number again tumbled appreciably. Dr Gray is not sure what accounts for the drop, but at most other Canadian universities, the same thing is happening. "Some of the other Canadian schools are attributing much of the drop in graduate student enrollment to a loss of international students. At Alberta, it's a contributing factor, but it's not so dramatic. The overall drop will be about six to eight percent, but the drop for international students is about twice that." Why is this occurring? According to Gurston Dacks, the Faculty of Arts Associate Dean of Research, some departments have had to cut their budgets so dramatically, that they simply haven't got the money for graduate student support. "Some departments have tried to protect this area of support, but that's increasingly difficult to do. Our ability to offer financial support to enough people in attractive enough packages is slipping. We're losing them to other universities that can fund them to a better degree." Departments are just coming out of the second year of major cuts, the Dean points out. Scholarships funding is not down, and overall the University is doing very

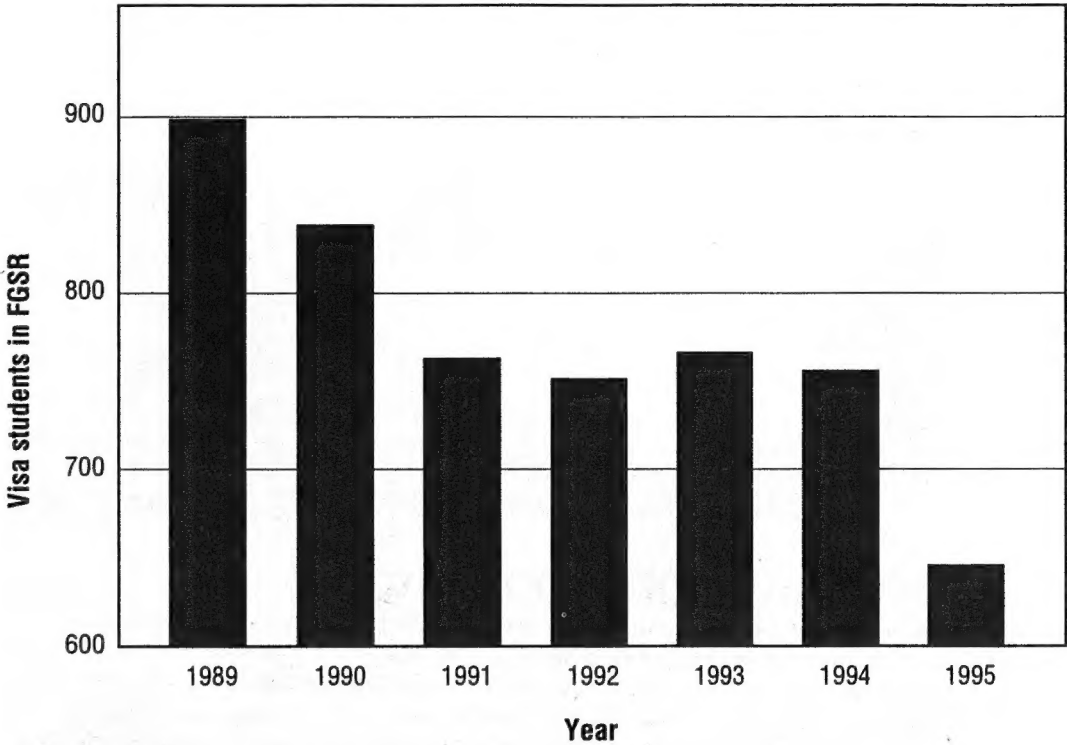
well in the area of research funding. "The big concern is University support for teaching assistants; that's where we saw a significant drop in last year's budget and we don't have the numbers yet for this year." Departments have a line item in their budgets for TAs. Many have protected that despite the cuts. But graduate student support from soft operating budget areas has eroded. For example, a professor on sabbatical or a vacant position in the past could be directed to graduate students. "What's happened through the cuts is that those soft funds have been eroded seriously," the Dean says, adding that for 1994-95 departments spent about eight percent less on TAs than in the previous year even though most didn't touch the hard budget at all. "In our budget reductions, we're not cutting graduate student support," says Dean of Science Dick Peter. "That's the kind of importance we place on this. Without graduate students our research programs can't survive." One department in the Faculty of Science had a very small reduction in the money it receives for GTAs, while three other departments increased their support in the area. Dr Dacks points out that some departments have actually increased their graduate student enrollment. "They're doing an effective job of recruiting graduate students and their reputation as good departments is spreading." You have to have the leaders in the field and make sure everyone knows it, adds Dr Gray. Several traditionally strong departments, particularly in Science and Engineering, have experienced a drop in the number of quality applications landing on the graduate student coordinators' desk. "This seems to follow a national trend in postsecondary education," says Dr Gray. Pushing undergraduate enrollment to maintain provincial government revenue is one of two trends that concern the Dean. Undergraduate numbers go up and graduate student numbers go down. The balance changes and the character of the U of A changes. Second, graduate students are crucial to the research

Faculty	Dec 1994	Oct 1, 1995	Change	% Change
AgForHEc	309	292	-17	-6%
Arts	801	745	-56	-7%
Business	292	285	-7	-2%
Dentistry	10	11	1	10%
Education	898	769	-129	-14%
Engineering	503	422	-81	-16%
Fac St Jean	12	15	3	25%
Law	12	13	1	8%
Medicine	342	318	-24	-7%
Nursing	129	130	1	1%
Pharmacy	54	59	5	9%
Phys Ed	97	91	-6	-6%
Rehab Med	118	112	-6	-5%
Science	738	694	-44	-6%
Total	4315	3956	-359	-8%
Estimate for Dec 1, '95		4056	-259	-6%
Visa Students	753	643	-110	-15%
Fraction of total decrease				31%

Graduate student registrations by Faculty
Total number of graduate students

Faculty	Dec 1994	Oct 1, 1995	Change	% Change
AgForHEc	68	62	-6	-9%
Arts	228	196	-32	-14%
Business	67	102	35	52%
Dentistry	2	4	2	100%
Education	149	172	23	15%
Engineering	130	94	-36	-28%
Fac St Jean	2	1	-1	-50%
Law	3	7	4	133%
Medicine	82	59	-23	-28%
Nursing	28	24	-4	-14%
Pharmacy	6	10	4	67%
Phys Ed	26	25	-1	-4%
Rehab Med	32	41	9	28%
Science	168	127	-41	-24%
Total	991	924	-67	-7%
Visa Students	190	155	-35	-18%

Graduate student registrations by Faculty
New graduate students



Visa students in the Faculty of Graduate Studies and Research

enterprise, and if the U of A wants to catch the UBCs and the Torontos in the area of research, it needs to have similar numbers of graduate students per faculty member. "If you want to continue building the research enterprise, you have to have the graduate students to support it," Dr Gray emphasizes. Maintaining graduate student enrollment is only possible with top people, competitive financial packages and aggressive recruitment strategies, says the Dean. Personal contact is essential, and if you don't, other schools will, he points out. Dr Dacks says he's hopeful a significant component of the fundraising campaign will be support for graduate students. The PhD recruitment scholarships have been very effective, adds the Dean. GTA scholarships funds should be a top priority of the coming fundraising campaign, says Dean Peter. We need an endowment in the area, to compete with other universities that are able to offer scholarships up front, he says. Dr Gray contends that maintaining graduate student enrollment is in society's best interest. People in government, however, tend to see the completion of a second program as wasteful. "All of the past statistics show that people educated at universities are better educated for life-long careers. The ante keeps going up in the workplace," he says, "and if I can grossly overexaggerate, a bachelor's degree gives you the same kind of opportunities that some time ago you got with a Grade 12 matriculation."

A conversation with Laurie Eisler

Pandas' coach wants her players to play the game for the right reasons

By Michael Robb

Many University of Alberta professors are extremely satisfied when they can say they've helped their students to become more independent learners.

That's also one of Pandas' volleyball coach Laurie Eisler's primary goals.

Sports teaches athletes to pursue goals and to pursue those goals for the right reasons, Eisler says. "We operate from the perspective that the athletes are doing it for themselves and, ideally, when they leave this program, they're relatively independent in terms of their motivational needs.

"They become independent learners," says the CIAU championship coach. "They don't rely on others, coaches or

ting how vulnerable and dependent some athletes become, and it doesn't equip them with the skills for dealing with the real world."

Eisler's world bears another similarity to the professor's world. "Every good coach is a good teacher."

Coaching is really a combination of many skills, says Eisler. "We're managers, administrators, fundraisers, PR people and teachers. And every coach excels in different areas."

Where does Eisler excel? "I think I'm a pretty good manager, getting the most out of players, knowing which buttons to push and when."

She admits the first few years here were tough. "I think I was very different from what the athletes were used to. It took a lot of work for them to really understand where I was coming from. I had to be very consistent in my behaviour, so that they knew what to expect from me and they could trust me."

Eisler, the top student in her graduating year, earned a Bachelor of Education degree at Saskatchewan in 1987, a background she says helps her immensely in the gym. She's completing her MSc in sports psychology, examining the effects of team cohesion and psychological momentum. "It's a question that really interests me as a coach. I believe that the feelings you have about your team will have effects on the team's performance; the more cohesive, the more confident. And that usually leads to better performance.

"When I talk to coaches, they say, 'Well, that's obvious.' But it's something that's never been shown."

She likes to win—and the exhilaration she felt when the team won the national championship was unparalleled. But winning isn't first. "I get a lot of satisfaction seeing these people grow as they go through the program. People may not believe this, but that is as meaningful as the gold medals and the championships. I coach people not just athletes."

She tries not to have many rules. Athletes must treat their bodies well. "We have principles and guidelines. I want them making decisions." Does she feel a little vulnerable as a consequence of that governing ethos? Not really. "I've gotten to the point where I trust these athletes, so I don't doubt that they'll do the right thing."

Jillian Osborne, a civil engineering student who played with the team for four years, says Eisler doesn't yell or scream at players. "She expects a lot from her players, so you really want to do the best you can. She motivates us, but she also lets us



Pandas' volleyball coach Laurie Eisler is coaching her fifth season.

generate our own motivation. And that's a great way to prepare us for the workplace."

Eisler's workplace is a hectic one. Try-outs begin the day school starts. September and October are the pre-season; league play begins in November. December is devoted to exams and in January the season resumes. Once the university season ends, training begins for Volleyball Canada's 20 and under championship. In July and August, summer camps are held. Eisler sits on the national technical committee, and on the Northern Alberta Volleyball Club executive. She also teaches one class per term, and wants to finish her master's by next year.

She's had a week's holiday in the last two years, and she's missed some impor-

tant family occasions over the years. "You can always be watching team videos, writing articles and analyzing statistics, but I'm quite selfish. I don't allow myself to get overtired."

Some of her colleagues, however, have gotten tired. She's looked around the country and noticed the absence of female coaches who have been in the game for a long time. So there are very few role models. "It would be really neat for me to look at a role model and say, 'I just have to be like Betty over at that university,' because you can't just try to emulate the way a man has done it. Our roles and expectations are so different," says Eisler, who has relied heavily throughout her life on role models.

"I just have to figure it out myself. It has to be possible. We're not the only profession in the world that is hard," she says emphatically. "I refuse to ruin my personal life because I have a career. I believe I can do both."

Eisler's also relying on fans to continue their support of the team. Men play more of a power game, whereas women play a more defensive game with longer rallies, a style of play that she says is very exciting. They still battle the male bias, however. One group she wants to attract in greater numbers is women. "It is changing, though," she says, pointing out that last year, for the first time, the women's volleyball final drew sell-out crowds.

"Those people are coming back and they're going to bring someone with them."

"In volleyball, we play a game of mistakes, and if you're not making mistakes, perhaps you're not taking enough risks. Every rally usually ends in someone making a mistake. In some cases you simply can't stop that ball from hitting the floor." ■

PROFILE: LAURIE EISLER

- Led the Pandas to their first CIAU championship in 44 seasons in 1994-95
- Three-time CWUAA Coach of the Year. CIAU Coach of the Year in 1994-95
- Started for the Saskatchewan Huskies from 1983-86 and was named a CWUAA all-star four of five interspersed seasons
- Earned second-team CIAU all-Canadian honours in 1986-87
- Assisted head coach Mark Tennant at Saskatchewan in 1987-89; coached the Huskies during 1989-90
- Joined Alberta in 1991-92 and guided Pandas to CIAU playoffs three of four seasons
- Finished second in nationals to Winnipeg in 1992-93
- Won-loss record at Alberta as at 9/1/95: 100-46

teammates, to push them or to excel, or to be a constant feedback provider."

And although athletes come into Pandas' volleyball at a different point on that continuum, she explains, for the first year, they are treated with "velvet gloves" until the 31-year-old Eisler has a feel for what they need as athletes. "And then we try to get them on this road to taking care of themselves within a group context. It's a constant balancing and rebalancing of individual needs and team needs."

Athletes who have been totally controlled by a coach often find it too difficult to make the adjustment to Eisler's style. "There are athletes who are unwilling to take that control back, because it means more responsibility. There are athletes I've had who just never really got it. It's star-

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Twenty-Eighth Annual Students' Research Day

Wednesday, October 18, 1995 — 2F1.04 Mackenzie Health Sciences Centre (Classroom D)

9:15 am	Opening Remarks Dr D Lorne J Tyrrell, MD, FRCPC, PhD Dean, Faculty of Medicine
9:30 am-12:15 pm	Student Oral Presentations
12:15 pm-1:30 pm	Student Poster Presentations and Lunch Lower Foyer, Bernard Snell Hall Mackenzie Health Sciences Centre
1:30 pm-4:45 pm	Student Oral Presentations
5:00 pm	Pizza Reception Lower Foyer, Bernard Snell Hall Mackenzie Health Sciences Centre
5:30 pm	Announcement of Students' Research Day Awards
	Medical Alumni Association -sponsored Medical Students' Association Distinguished Speaker: Mary-Wynne Ashford, MD Physician, Victoria, BC Physicians for Global Survival "The Physician and Global Survival" Bernard Snell Hall, Mackenzie Health Sciences Centre

Judges of Oral Presentations

Connie L Chik, MD, PhD
Associate Professor
Department of Medicine
Karen B Farris, PhD
Assistant Professor
Faculty of Pharmacy and
Pharmaceutical Sciences
Donald E Woods, PhD
Professor and Chair
Department of Microbiology and
Infectious Diseases
University of Calgary

Judges of Poster Presentations

Katherine M Kavanagh, MD
Assistant Professor
Department of Medicine
Robert O Ryan, PhD
Professor
Department of Biochemistry
Paul E Grundy, MD
Assistant Professor
Department of Pediatrics

Reception to follow in the Lower Foyer of the Bernard Snell Hall.

Advances in cancer therapy focus for Killam Annual Professor

By Judy Goldsand

Improving the "magic bullet" is the focus of Terry Allen's research during

her year as a 1995-96 Killam Annual Professor. "We are trying to improve the selectivity of anti-cancer drugs in cancer therapy," says Dr Allen.

Liposomal drug delivery systems (small fatty spheres containing the drugs) were developed more than 20 years ago, but their effectiveness was limited because the body easily recognized them as foreign and rapidly removed them. In 1987, Dr Allen's laboratory was awarded the first Canadian patent for developing "Stealth" liposomes, liposomes that could survive undetected in the body for longer times.

These were found to work effectively against solid tumors and are used in treatment of Kaposi's sarcoma (AIDS). They are also doing well in clinical trials to treat breast cancer and ovarian cancer, and are being tried in lung cancer.

"The next step in our research," says Dr Allen, "is to be able to target liposomes to micro-metastases [cancer cells that break away from the tumor and go off to colonize other sites]. We are trying to do



Terry Allen's research efforts are aimed at improving the "magic bullet".

that by attaching an antibody at the surface of the Stealth liposome which will recognize a tumor associated antigen. That is like putting an address on a cell."

Dr Allen's laboratory has developed some useful new methodologies for attaching antibodies to Stealth liposomes. Some promising results are being seen in treatment of cancer in animal models and in targeted gene therapy.

Dr Allen's pioneering work on long-circulating liposomes has made a strong impact on liposome research and subsequent commercial product development. She is often invited by national and inter-

national audiences or media to talk about her work with "magic bullets". Bob McDonald, host of CBC Radio's science program, "Quirks and Quarks", lauds her ability to communicate with lay audiences "in an interesting and informative manner".

Dr Ian Martin, Chair of Pharmacology, calls Dr Allen an innovative instructor whose "great strength is an ability to enthrall students." He also notes that her successful liaison with industrial partners provides graduate students and others in her laboratory with an important and valuable perspective which is frequently missed in the academic milieu.

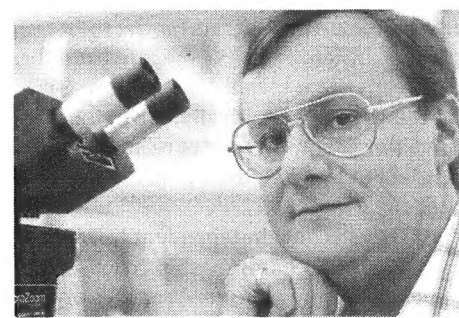
A prolific author with more than 100 papers and book chapters to her credit, Dr Allen says she particularly enjoys training graduate students and postdoctoral fellows. More than 30 summer research students have also worked in her laboratory.

Dr Allen came from the University of Alabama in 1977 to join the U of A's Department of Pharmacology. With a background in biochemistry and oceanography, Dr Allen brings an unusual perspective to her work. She has maintained an interest in oceanography and, concurrent with her liposome research, has been pursuing a research program seeking to identify potentially useful new drugs from marine natural products.■

Michael Brett awarded 1995-96 Killam Annual Professorship

Has an outstanding record of scholarship and teaching

By Folio staff



Michael Brett, Professor of Electrical Engineering

Electrical Engineering Professor Michael Brett has been awarded a 1995-96 Killam Annual Professorship.

"It's really an honour to be recognized, particularly when you know there are so many deserving professors," he says.

Over the next year Dr Brett will be continuing a collaborative project with Bell Northern Research and ongoing work with a firm in the United States. More work will also be conducted on SIMBAD, a software product originally developed by Dr Brett and expanded in collaboration with other academics and the Alberta Microelectronic Centre.

"This is important because it demonstrates that in addition to his teaching and research accomplishments, he can also make the critical link between university research and commercial application," says AMC President Chris Lumb. The software is now being sold commercially.

The researchers have applied to the Natural Sciences and Engineering Research Council for the development of the next generation of SIMBAD. "We have a record of success; I hope they can fund this one," says Dr Brett.

Dr Brett was the top teacher in the Faculty based on student IDQ evaluations for two consecutive years, has acted as a mentor for two of the department's newest faculty members, has received a Faculty teaching award and has built a strong research team of students and research associates.■

Science gold medalists heading for medical careers

David Sykes, Chris Kendall and Chandra Magill earn top marks

By Folio staff

David Sykes is this year's recipient of the Lieutenant-Governor's Gold Medal in Science, as the graduating student from an honors program who displayed the highest distinction in scholarship for the Class of '95.

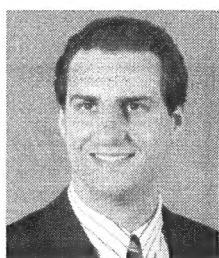
The Gold Medal in Science was awarded to biochemistry student Chris Kendall as the graduating student from a specialization program who has shown the highest distinction in scholarship for the Class of '95. And the Dean's Gold Medal was awarded to Chandra Magill as the graduating student from the general program who has shown the highest distinction in scholarship for the Class of '95.

Sykes left his mark on the U of A. He won numerous awards for scholarship, including the Board of Governors Prize in Science, the Max Wyman Memorial Entrance Leadership Scholarship and Alberta Heritage Foundation for Medical Research Summer Studentships for three years. The all-star hockey player was also active in the community, teaching Sunday school, and

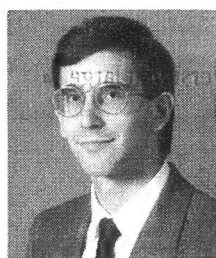
volunteering for Strathcona Legion fundraising and the Science and Technology hotline sponsored by the Science Alberta Foundation. He is now enrolled in the MD-PhD program at the University of California.

Kendall, a biochemistry student, is an avid debater, member of intramural council and Junior Achievers, and participant in many sports, including badminton, swimming and track. He also received AHFMR summer studentships. Kendall has been active in Students' Orientation Services, the biochemistry students' association, volunteer services, and Week of Welcome. He plans a career in medicine, likely specializing in family medicine or pediatrics.

Magill earned a place on the Dean's list every year and achieved a perfect 9.0



David Sykes



Chris Kendall



Chandra Magill

average in two of those years. The zoology (major)/psychology student received a Canada Scholarship, a major award for students in science and engineering, in each year of her program and was awarded a Louise McKinney postsecondary scholarship in 1993 and 1994. She also found time to participate in numerous extracurricular activities, including the Faculty cohort/mentor program, and spent last summer in Guyana working on a health project with the Student International Health Association. She is now enrolled in the MD program at the U of A.■

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Tupper appointed Associate VP (Government Affairs)

By Folio staff

Allan Tupper knows the value of precise, steady movements in a political landscape that could best be described as undulating. Now, as the University of Alberta's Associate Vice-President (Government Affairs), he's putting that knowledge into practice.

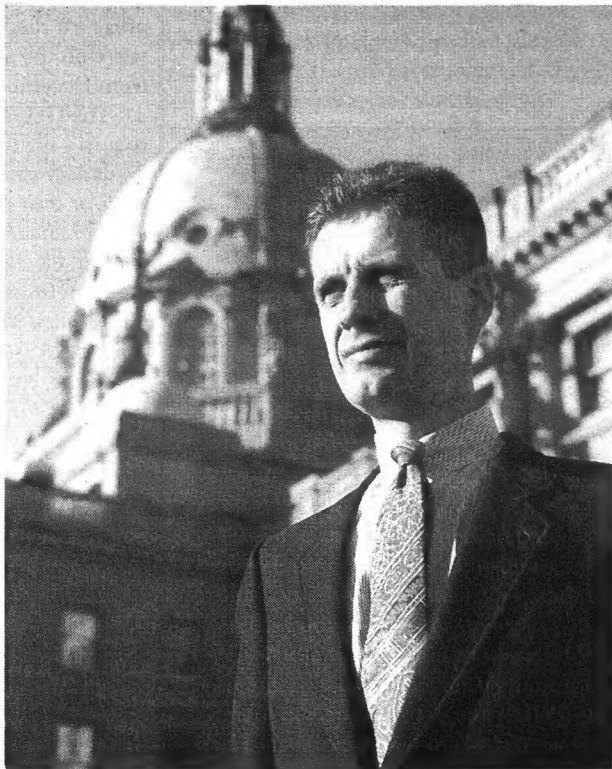
"It's a big challenge but we're ready for it," the former Chair of the Department of Political Science (1985-1992) and current Associate Dean in the Faculty of Arts says of his appointment.

In taking up that challenge, he says he plans to complement the good work already being done by many Faculties, departments and offices.

The first order of business, Dr Tupper says, is to "get a system up, get the portfolio in people's minds." He intends to develop a coherent strategy with respect to all levels of government, and says it will be guided by the fact that government relations is all about systematic planning and work rather than one or more spectacular initiatives.

In announcing his appointment earlier this month, Martha Piper, Vice-President (Research and External Affairs), said Dr Tupper has "a widely regarded reputation in Alberta and Canada as a political analyst."

The new position, she said, will encompass the development and coordina-



Allan Tupper, the University's new Associate Vice-President (Government Affairs).

tion of a University strategy for government relations, including the analysis and monitoring of issues, trends, policies and programs.

"As well, this position will provide the interface between the two major areas of the Office, research and external affairs, by analyzing and interpreting government policy and initiatives dealing with university research and by identifying and initiating public service initiatives for the University."

Dr Piper noted that the position "will also serve the other Vice-Presidents, the President and the University at large."

Kratochvil set to step in as Associate VP (Research)

By Folio staff

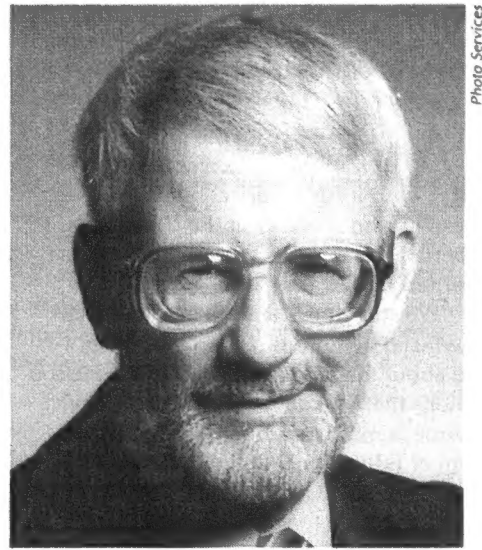
Ron Kratochvil has been appointed Associate Vice-President (Research). He takes up the duties of that office 1 January 1996, succeeding Dr Bill Bridger, who leaves for the University of Western Ontario at the end of this year.

Dr Kratochvil, who received his undergraduate and graduate degrees from Iowa State University, has been a member of the U of A faculty since 1967. He was promoted to Full Professor in 1972, and has been Chair of the Department of Chemistry since 1989.

His own research interests include sampling for chemical analysis, analysis of substances of biological interest, and application of nonaqueous systems and reactions to chemical analysis.

Dr Kratochvil has written more than 100 papers and, with Walter Harris, two introductory analytical chemistry textbooks.

In 1984, he was awarded the Faculty of Science Award for Excellent Teaching, and,



Ron Kratochvil

in 1990, the Fisher Scientific Award from the Canadian Society of Chemistry for research in analytical chemistry.

NOMINATIONS INVITED FOR KAPLAN AWARD

Nominations are invited for the 1996 J Gordin Kaplan Award for Excellence in Research. The Award, named after the University of Alberta's first Vice-President (Research), lauds outstanding work in two distinct fields of research: the general area of Humanities, Social Sciences, Law, Education and Fine Arts; and the Sciences or Engineering.

Nominees will be assessed on: quality of research; impact of research on the advancement of the field, both nationally and internationally; and, distinction which the research has brought to the University of Alberta.

Each award consists of a \$3,000 prize and an engraved plaque of recognition. The awards ceremony will take place in March 1996.

Each Faculty is urged to submit *one* nomination; the Faculty of Arts may submit *two* nominations provided that the nominees are selected from different divisions within that Faculty (Social Sciences, Humanities, and Fine Arts).

The deadline for receipt of nominations is 3 November, 4:30 pm. Dossiers are to be forwarded to the Office of the Vice-President (Research and External Affairs), 3-12 University Hall, and marked for the attention of Katharine Moore, Executive Assistant.

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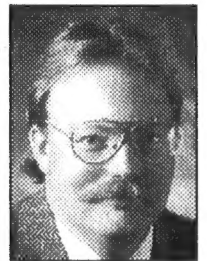
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UN Graduate Study Programme opens Michael Aherne's eyes to the possibilities

Three-week summer institute a chance to view the world from different points of view

By Michael Robb

WE may live on the prairies, far from the eastern seaboard of North America, but that doesn't mean students at the University of Alberta have to sit on the sidelines of the international affairs game.

"We sometimes tend to be somewhat provincial in our outlook on the world and about the kinds of meaningful contributions that we can make," says Michael Aherne, a master's student in the Department of Educational Policy Studies who recently participated in the United Nations Graduate Study Programme in Geneva, Switzerland.

"An experience like this is useful to get away from the vast Canadian prairies and see first-hand that it is very feasible to contribute positively to a larger international agenda," says Aherne, one of 83 participants from 47 countries who immersed themselves in the operations of the UN in order to expand their understanding of the organization and how it functions. Many of the students were from prestigious universities such as the London School of Economics, Oxford, Cambridge and Harvard.

Two other Canadian students participated: a law student from Dalhousie and a master's student in political science from McGill University.

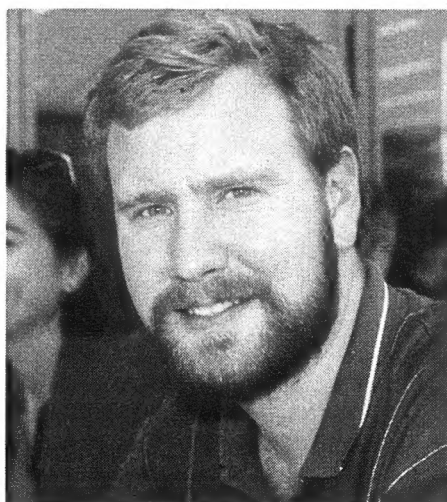
"Sometimes when you think of big schools like Oxford or Cambridge there is a certain mystique; they seem almost

unreachable and untouchable. But when a U of A graduate student can participate in a program like this and contribute and learn in a meaningful way I think it says a lot for the quality of our institution. This is important, particularly for many students who have come to the U of A as their provincial university."

Aherne, who earned his BCom from the U of A in 1990, learned how he stacked up compared to his counterparts around the world. But he also learned a lot about global realities—knowledge he says will serve him well in an increasingly interrelated world.

"The world is not the kinder, gentler place that we thought it might become after the cold war," says Aherne, who attended the programme when world leaders such as Jacques Chirac, Yasser Arafat, Yitzhak Rabin and FW de Klerk were attending official ceremonies to mark UN 50th anniversary celebrations.

"The UN and the UN charter are set up to deal primarily with international peace and security issues at a time when internal conflict and internal complex emergencies have become overriding themes of international concern. The UN is structurally not set up to deal effectively with the Rwandas and the Balkans of the world. In a sense, it appears that the UN is a prisoner of its member states, particularly those on the Security Council.



Michael Aherne

"As participants, we saw the good, the bad and the ugly of the UN," he says.

"Many of the students attending the programme at the Palais des Nations realized that the UN is largely a forum for dialogue and international understanding and the world is likely much better with it than without it."

According to Aherne, real solutions to real problems must be addressed at the local level and people have to accept responsibility for making a difference in their own communities.■

UNIVERSITY PROFESSORS SELECTION COMMITTEE

A selection committee is being established to review nominations and make recommendations concerning the selection of University Professors. The term of office for members elected by GFC to serve on the selection committee will be from December 1995 to June 1997.

The GFC Nominating Committee requires for this committee *three (3) academic staff members (from Categories A1.1, A1.5, or their counterparts in A1.6), one (1) undergraduate student, and one (1) graduate student*, elected by GFC. For staff category definitions, see Section 5 of the GFC Policy Manual. In brief, Categories A1.1, A1.5 and A1.6 include full- and part-time, continuing faculty (tenure-track and soft-tenure-track). If you have any questions regarding the categories of staff and/or eligibility to serve on this committee, contact Ms V Pemberton-Pigott, Coordinator, GFC Nominating Committee, 2-5 University Hall (492-1938 or e-mail: val.pemberton@ualberta.ca).

If you wish to submit a nomination for an academic staff member, an undergraduate student or a graduate student, please forward a letter of nomination and brief biographical sketch to Ms Pemberton-Pigott at the above-noted address by **Tuesday, 31 October 1995**.

MacEachran Lectures imminent

Norbert Schwarz, professor of psychology at the University of Michigan, will deliver the 21st Annual MacEachran Memorial Lecture Series, 23-25 October.



The theme of the series is "Cognition and Communication: Judgmental Biases, Research Methods, and the Logic of Conversation"; Dr Schwarz will speak at 4:30 pm each day in CW-410 Biological Sciences Centre.

Dr Schwarz holds degrees in sociology and psychology from the University of Mannheim and the University of Heidelberg, Germany.

Gary McPherson, Jake Superstein to receive honorary degrees

By Folio staff

THE Chairman of the Premier's Council on the Status of Persons with a Disability, Gary McPherson, will be awarded an honorary Doctor of Laws degree at Fall Convocation, 16 November.

McPherson is well known in the province. He is adjunct professor in the Faculty of Physical Education and Recreation. Last year, his contributions to Canadian society were recognized when he was awarded the Robert Jackson Award for Outstanding Contributions to the Canadian Wheelchair Sports Association. In 1993, he was inducted into the Alberta Sports Hall of Fame and received the King Clancy Award for Outstanding Contributions to Canadians with Disabilities.

Although severely disabled since the age of nine, McPherson has made innumerable contributions to amateur sport in Canada. He was the first general manager of the Alberta Northern Lights Wheelchair Basketball Society; president and co-founder of the Challenge Cup Wheelchair Basketball Association, 1985-1988; and, executive director of the Canadian Wheelchair Sports Association, 1974-78.

Jake Superstein, CM, president of Alexandra Petroleum Ltd of Edmonton, will be awarded an honorary Doctor of Laws degree, 15 November.

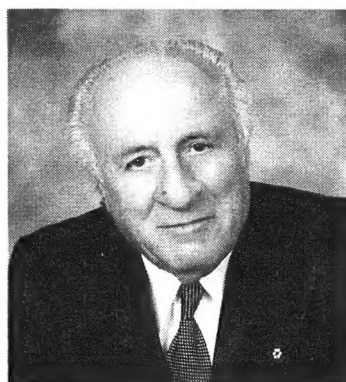
Superstein entered the business world in 1935 when he, along with his father and

brothers, established the Edmonton Produce Company. He served the company in various capacities, including president, until he sold the business in 1967. During the Second World War, he served as the Alberta representative to the Canadian Produce Council and as an advisor to the Stabilization Board of the Government of Canada. In these capacities, he helped to substantially organize Canadian wartime egg production and contributed greatly to the production of powdered eggs for consumption during the war years.

Active and well known in the community, Superstein served for 27 years with Saint Mary's Salesian School, first as a director and then as chairman of the Advisory Board. He has also served for 10 years as a member of the Advisory Board of the General Hospital, as honorary patron of the Society for Children's Oncology Family Services which is devoted to fundraising for Ronald McDonald House, as honorary chairman of the Joy of Sharing Interfaith Society in support of the



Gary McPherson



Jake Superstein

Edmonton Food Bank, as a member of the Advisory Board of the Salvation Army, as honorary chairman of the successful fundraising campaign for a new building at the Catholic University in Lublin, Poland, and for six years as a member of the Board of Governors of the University of Alberta. He is a member of the Beth Israel Synagogue.■

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TRLabs recognized for university-industry R&D partnerships

'Collaboration crucial to Canada's ability to create wealth' — NSERC president

By Michael Robb

The Conference Board of Canada and the Natural Sciences and Engineering Research Council have honoured TRLabs with one of the first Canadian Synergy Awards for university-industry research and development partnerships.

The Edmonton-based consortium received the award at a symposium on university-industry research and development partnerships held in Toronto, 20 and 21 September.

"University and industry R&D collaboration is crucial to Canada's ability to

create wealth," says NSERC President Peter Morand. "Partnerships like the one involving TRLabs are producing real dividends, new commercial ventures, new employment opportunities and new products that make for a better world. We hope others will use the TRLabs partnership as a model for similar joint ventures."

TRLabs' 35 sponsoring organizations—including industries and universities throughout western Canada as well as the governments of Canada, Alberta, Manitoba and Saskatchewan—were among more than 50 university-industry

partners competing for the awards. The award includes a \$10,000 NSERC research grant to the university partner.

TRLabs was established in 1986. Today the consortium's annual budget of more than \$9 million supports research labs in Edmonton, Calgary, Saskatoon, Regina and Winnipeg. There are plans to expand to British Columbia. Partners in the consortium share the labs' work, out of which has come more than 60 major technology innovations, about two-thirds of which have been transferred to industry.

Reg Bird, vice-president for Western Canada at Northern Telecom, says, "Nortel gets great benefits from networking with the western Canadian universities that are also members of TRLabs. These universities provide us with an excellent labour pool of prospective employees."

TRLabs President Glenn Rainbird says, "TRLabs' success is due to a bold partnership design and a cooperative spirit among participating companies, universities, governments and researchers."

The goal is simple: to move faster

Frappier Acceleration Program helps athletes get an edge

By Michael Robb

Speed, strength and power. If you've got them, chances are you're a pretty good athlete. And if you have more speed, strength and power than your competitors, chances are you'll usually triumph.

Now athletes at the University of Alberta and in the wider community have another way of getting an edge on their competitors. The Frappier Acceleration Program, a joint venture between the Glen Sather Sports Medicine Clinic and the Faculty of Physical Education, was established in July here at the University of Alberta.

The Frappier Acceleration Program is a six-week training program for serious recreational and high performance athletes. It has four key objectives: increase maximum sprint speed by increasing stride length and stride frequency; increase anaerobic tolerance by increasing lactate tolerance and lactate clearance capacity; improve sprinting biomechanics;

and, increase proprioception, improve body composition and enhance self-esteem.

"This program really takes athletes out of their comfort zone. Athletes in virtually any sport can benefit from the program," says Fitness Centre and Acceleration Program manager Patti Nixon. "It's really designed to increase an athlete's speed, strength and explosive leg power."

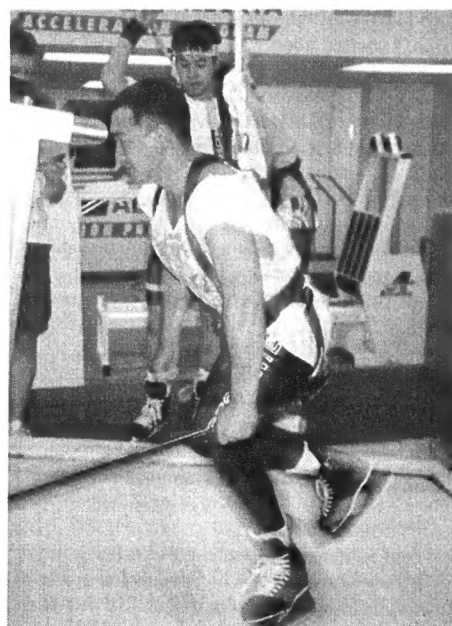
The program has four main training components: super treadmill, plyometrics, weight training and sprint cords. The treadmill, the heart of the program, has a top speed of 43 kilometres per hour and a 40-degree incline and 15-degree decline. Speed, incline and training intervals are adjusted to develop athletes' neuromuscular pathways, thus increasing acceleration and speed.

A six-week skating acceleration program, incorporating the use of a skating treadmill, is also offered. During the past summer, several hockey players used the

program before attending pre-season pro camps. Special programs are designed to suit individual athletes' needs. For example, a pre-acceleration program has been developed for 10- to 13-year-olds.

The facility, located at W1-34 Van Vliet Centre, is open from 4 to 7 pm weekdays and 9 to noon Saturday mornings. A nominal \$2 fee is charged for athletes who would like to try out the equipment, normally on Wednesday evenings and Saturday mornings. An appointment is necessary.

The hockey program costs \$345 and the sports program costs \$315. Bears and Pandas athletes are charged reduced fees.



Paul Ebina works out on the skating treadmill.

Distinguished veterinary scientist to present Hyndman Lecture

By Folio staff

Andrew Rowan, director of the Centre for Animals and Public Policy, and Acting Chair and professor in the Department of Environmental Studies at Tufts University School of Veterinary Medicine, will deliver the second annual Louis D. Hyndman Sr. Lecture on Wednesday, 25 October, at 4 pm in the Timms Centre for the Arts. Dr Rowan's talk is entitled "Attitudes and Approaches to Animal Research in the Developed World".

Dr Rowan's involvement with animal welfare is extensive and he currently serves on the board of directors of the committees for Public Responsibility in Medicine and Research and Johns Hopkins Center for Alternatives to Animal Testing. He is a member of the editorial board for the Animal Care Committee Handbook and of the Scientific Advisory Panel of the American Humane Association.

The Hyndman Lecture is part of ceremonies recognizing outstanding contributions that faculty and staff make on behalf of animals used in research. This year, awards will be presented to David Neil, Director of the Health Sciences Laboratory Animal Services, and to Patricia Milke, General Manager of the same laboratory. The awards and lecture are named in honour of their benefactor, the late Louis D Hyndman Sr (father of Chancellor Lou Hyndman), who asked that special recognition be given those University people whose treatment and humanity contribute to the health and well-being of animals.

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Post-Referendum
Perspectives

Thursday
November 9, 1995
Room 231-237
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TALKS

ACCOUNTING AND MANAGEMENT INFORMATION SYSTEMS

27 October, 2 pm

Karim Jamal, "An Empirical Investigation of the Conflict Between Confidentiality and Public Disclosure of Corporate Irregularities." B-05 Business Building.

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

24 October, 4 pm

David R Kaplan, head, Eukaryotic Signal Transduction Section, NCI—Frederick Cancer Research and Development Center, Frederick, MD, "Signal Transduction of Neurotrophin Receptors." 5-10 Medical Sciences Building.

ANATOMY AND CELL BIOLOGY

20 October, noon

Rick Rachubinski, "Isolation and Characterization of an Intraperoxisomal Component of the Matrix Protein Translocation Machinery." 5-10 Medical Sciences Building.

ART AND DESIGN

24 October, 6 pm

Tony Scherman, an internationally recognized painter who lives and works in Toronto, will present a slide lecture on his work. L-1 Humanities Centre.

BIOLOGICAL SCIENCES

27 October, noon

Ying Zhang, "Responses of Phytoplankton Communities to Ca(OH)₂ Additions in Eutrophic Hardwater Lakes." CW-410 Biological Sciences Centre.

2 November, 4 pm

Paul Schouten, "Munching Mayflies: Grabbing Food, Tarsi Over Coxae. The Feeding Behaviour of *Ametropus neaveri* (Ametropodidae)." TB-W1 Tory Breezeway.

CANADIAN CIRCUMPOLAR INSTITUTE

19 October, 7 pm

Lloyd Binder, "What's Happening in the Western Arctic? Co-management and Self-government." TL-11 Tory Lecture Theatre.

CANADIAN INSTITUTE OF UKRAINIAN STUDIES

27 October, 7:30 pm

Jars Balan, author and independent scholar, "Showtime on the North Saskatchewan: The Origins and Early Years of Ukrainian Theatre in Edmonton." Heritage Lounge, Athabasca Hall.

CENTRE FOR GERONTOLOGY

30 October, 7:30 pm

Sheree Kwong See, "Language and Aging." 2-50 University Extension Centre.

CENTRE FOR MATHEMATICS, SCIENCE AND TECHNOLOGY EDUCATION

25 October, 4 pm

Ernst von Glasersfeld, professor emeritus, University of Georgia, Athens, GA, and research associate, Scientific Reasoning Research Institute, University of Massachusetts, Amherst, MA, "Radical Constructivism: A Way of Knowing and Learning." 10th Floor, Education South.

CENTRE FOR RESEARCH IN CHILD DEVELOPMENT

20 October, 1 pm

Sandy Romanow and Marcel Bouffard, "How do Children Learn a Movement Sequence on Their Own?" P-319N Biological Sciences Centre.

CHEMICAL ENGINEERING

19 October, 3:30 pm

Philip Mees, "A Baffin Island Expedition From Scratch." 342 Chemical-Mineral Engineering Building.

26 October, 3:30 pm

1995 ICI Distinguished Visiting Lecturer. LE Scriven, Regents' Professor, Department of Chemical Engineering and Materials Science, University of Minnesota, "The Emergence and Evolution of Chemical Engineering." 344 Chemical-Mineral Engineering Building.

27 October, 3:30 pm

Dr Scriven, "Weeping in Blade Coating." 344 Chemical-Mineral Engineering Building.

COMPARATIVE ANIMAL PHYSIOLOGY AND CELL BIOLOGY

17 October, 12:30 pm

John P Change, "Arachidonic Acid and the Regulation of Growth Hormone Secretion in Goldfish—An Orphan No More?" G-114 Biological Sciences Centre.

24 October, 12:30 pm

Wen-Bin Zheng, "Sex Pheromone and Reproductive Success in Male Goldfish." G-114 Biological Sciences Centre.

31 October, 12:30 pm

Lakshmi Krishnan, "Immune Cytokine Interactions Between Pregnancy and Parasitic Infection." G-114 Biological Sciences Centre.

COMPUTING SCIENCE

16 October, 3:30 pm

Stanley Zdonik, professor of Computer Science, Brown University, Providence, RI, "Your Data May Be Where You Least Expect It." V-112 V-Wing.

EARTH AND ATMOSPHERIC SCIENCES

13 October, 3 pm

Urs Fischer, Department of Geophysics, University of British Columbia, "Mechanical Conditions Beneath a Surge-Type Glacier." 3-58 Tory Building.

19 October, 4 pm

Robert J Bodnar, Department of Geological Sciences, Virginia Polytechnic Institute and State University, "Applications of Fluid Inclusions in Minerals and Hydrocarbon Exploration." 104 Earth Sciences Building.

20 October, 4 pm

Dr Bodnar, "Volatile Evolution and the Source and Distribution of Metals in Porphyry Copper Deposits." 3-58 Tory Building.

27 October, 3 pm

David Eberth, sedimentary geology, Royal Tyrrell Museum of Palaeontology, "Sequences, Stratigraphy and Sedimentology in the Judith River Group (Upper Cretaceous) of the Southern Alberta Plains: Getting Run Over By, or Riding the Bandwagons?" 3-58 Tory Building.

3 November, 3 pm

George Eynon, president, Canadian Society of Petroleum Geologists, "From Mountains to Microns: Size, Time and Technology in Petroleum Geology." 3-58 Tory Building.

ECONOMICS

13 October, 3 pm

Ross Emmett, Augustana University College, "Frank Knight's 'Risk, Uncertainty and Profits' and Modernist Movements in the Social Sciences." 8-22 Tory Building.

3 November, 3 pm

Esfandiar Maasoumi, Southern Methodist University, "Recent Advances in the Empirical Analysis of Welfare and Inequality." 8-22 Tory Building.

HEALTH LAW INSTITUTE

16 October, 8 pm

5th Annual Picard Lecture in Health Law. Alan Maynard, professor of Economics and director of the Centre for Health Economics, University of York, UK, "Health Care Reform: Don't Confuse Me with

the Facts." Information: 492-8343. Salon 12, Edmonton Convention Centre.

LIPID AND LIPOPROTEIN RESEARCH GROUP

2 November, 10 am

Fred Snyder, associate director, Medical Sciences Division, Oak Ridge Associated Universities, Oak Ridge, Tennessee, "Metabolic Studies of Platelet-Activating Factor and Related Ether Lipids." Dr Snyder is a Merck-Frosst Distinguished Lecturer sponsored by the postdoctoral fellows and graduate students of the Lipid and Lipoprotein Research Group. Classroom D, Mackenzie Health Sciences Centre.

MARKETING AND ECONOMIC ANALYSIS

16 October, 3 pm

Jordan Louviere, chairman, Department of Marketing, University of Sydney, Australia, "Cross-Task Comparisons of Revealed and Stated Preference Models: Can One Mechanism Account for Most of the Differences?" B-09 Business Building.

NURSING

18 October, noon

Genette Rodger, "A'Z' Nurse-Client Interaction and its Effects on Stress Levels of Clients." 2-115 Clinical Sciences Building.

PERINATAL RESEARCH CENTRE

24 October, noon

Kathrine Peters, "Physiological and Behavioral Responses of Critically Ill Neonates to Routine Care in the NICU—The Limits of Good Intentions." 2J4.02 Mackenzie Health Sciences Centre.

PHARMACY AND PHARMACEUTICAL SCIENCES

23 October, 4 pm

Kazunori Kataoka, Department of Materials Science and Technology, Science University of Tokyo, "Block Copolymer Micelles and Nanoassociates for Drug Targeting." 4069 Dentistry-Pharmacy Centre.

PHILOSOPHY

19 October, 3:30 pm

Deborah Brown, York University, "For Definitions: A Defence of Semantic Decompositionality." 4-29 Humanities Centre.

RENEWABLE RESOURCES

19 October, noon

Donald G Pauley, "Developing the Concept of Controlled-Release Phosphorus Fertilizer." 2-36 Earth Sciences Building.

26 October, 12:30 pm

Mingchu Zhang, "Controlled-release Bioactive Agents and Their Application in Agro-Forestry." 2-36 Earth Sciences Building.

RURAL ECONOMY

16 October, 3:15 pm

Ernie Ingles, "What Researchers/Teachers at the U of A Should Know About CANCOPY." 519 General Services Building.

30 October, 3:15 pm

Janaki R Alavalapati, visiting assistant professor, and Habibollah Salami, "Short-run Impacts of Technical Change and Subsidies in the Agricultural Sector—A CGE Analysis." 519 General Services Building.

UNIVERSITY TEACHING SERVICES

16 October, 3:30 pm

George Buck, "Technology Tips for Teaching: Don't Let Digital Technology Give You the Finger." 2-147 Education North.

17 October, 3:30 pm

Dick Bevan, Workers' Compensation Board, "Hostages—Students/Teachers." 219 CAB.

18 October, 3 pm

Muriel Hoover and Jim Newton, "After the Request for an Extension and the Tears, What Do You Do?" 281 CAB.

19 October, 3:30 pm

Terry Anderson, Tony Locock, and Arlene Ponting, "Creating a Social Learning Environment at a Distance Using Computer Mediated Communications (CMC)." 2J4.02 Mackenzie Health Sciences Centre.

30 October, 3 pm

David A Cook, "Ways to Improve a Lecture." TB-W2 Tory Breezeway.

31 October, 3:30 pm

Michael Szabo, "Professional Development and Innovation in Teaching Technology." 131 Education North.

1 November, 3 pm

Arlene Young, Athabasca University, "Survival and Coping Strategies." 281 CAB.

2 November, 3:30 pm

Jane Watkinson, "Caught in the Middle." 281 CAB.

'WHAT'S UP DOC?'

19 October, 12:15 pm

Edward Cornell, "What Do Children Do When They Are Lost?" Information: Anita Moore, 492-0840. 203 Edmonton Centre.

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Explaining the dynamics of DNA polymerase function

Molecular biologist awarded collaborative project grant money to conduct work

By Michael Robb

Understanding the dynamics of DNA polymerase function—a dynamic biochemical process crucial to DNA replication—is the focus of a research team here at the University of Alberta.

"It has enormous practical implications," says molecular biologist Linda Reha-Krantz (Biological Sciences), team leader.

"We know a lot about how DNA is replicated, and that's opened the door to asking even more precise questions about the molecular details of DNA polymerases—the key enzymes of DNA replication—functions. A lot of those are still unanswered," she says.

DNA polymerases are at the centre of a very important biological process, the replication of chromosomes. These multienzyme complexes incorporate the building blocks of DNA—called nucleotides—into the DNA chain, the blueprint of life itself.

Dr Reha-Krantz's work is backed by a three-year, \$316,000 grant from the newly instituted collaborative project grants program from the Natural Sciences and Engi-

neering Research Council. The team is trying to answer the questions with three different, yet complementary, scientific techniques: the powerful mutational analysis carried out by Dr Reha-Krantz, a florescence technique carried out by biophysicist Joseph Beechem at Vanderbilt University, and a kinetic analysis of enzyme functions by Myron Goodman at the University of Southern California. (All have studied in the Biology Department at Johns Hopkins University.)

The group is developing the groundwork upon which a great deal of applied work can be done. It's important to understand the differences between a normal cell and a cancerous cell, how our environment affects DNA replication and how drugs attack viruses, explains Dr Reha-Krantz, an Alberta Heritage Foundation for Medical Research Scientist. "A large number of virus-combatting drugs attack DNA replication processes. For example, drugs such as AZT and ddI are inhibitors of the DNA



Biological Sciences Professor Linda Reha-Krantz's work focuses on DNA polymerase structure and function, mutation and replication.

polymerase in the AIDS virus."

DNA polymerases are used for biotechnology applications—making DNA probes, identifying micro-organisms, conducting DNA sequencing and examining chromosomes.

This collaboration allows more angles of experimental approach than could possibly be handled by a single investigator, Dr Reha-Krantz points out. ■

'Integrating Traditional and Western Medicine'

By Judy Goldsand

The campus community is invited to hear well-known Manitoba physician, Marlyn Cook, present the U of A's fifth annual lecture on Native health, on Monday, 16 October, in 6-28 Medical Sciences Building. Her talk, which begins at noon, is entitled, "Integrating Traditional and Western Medicine."

Dr Cook incorporates traditional Indian medicine with Western practice. She believes that healing must be focused on all aspects of the person—spiritual, mental, physical and emotional.

A member of the Grand Rapids First Nation, Dr Cook is a family practitioner in

Cross Lake, Manitoba, a northern Aboriginal community. She serves on the advisory board for the University of Manitoba's Faculty of Medicine and also is a member of the advisory committee of the Mino'Ayoawin Health and Well Being Project at the Native Women's Transition Centre in Winnipeg.

Dr Cook co-chaired the Manitoba First

Nations Child and Family Services Task Force in 1992 which sought changes to improve the lives of First Nations children who were government wards.

Regarded by many as an exceptional role model for students, Dr Cook has travelled extensively in Canada and internationally, encouraging young people to overcome obstacles to pursue their dreams. ■

'Development of Health Care International'

On 19 October, the Faculty of Nursing and Mu Sigma Chapter of Sigma Theta Tau International are co-hosting the fourth International Day in Bernard Snell Hall, Mackenzie Health Sciences Centre. The purpose of this one-day conference, now held annually, is to promote international awareness and development of nursing education through the sharing of international partnerships and experiences.

The theme this year is the "Development of Health Care International." Key-note speakers and their topics include: Dr Nancy Gibson, Department of Anthropol-

ogy, who will be speaking on Cross Cultural Health and Healing; and nurse educator consultant Barbara Astle, who will be discussing Nursing and Health in Saudi Arabia.

Registration fees for students are \$10 in advance (deadline: 16 October) and \$12.50 for late registrants; fees for all others are \$15 in advance and \$20 for late registrants.

Everyone is welcome to attend. For registration forms and/or more information, please contact Brenda Hinton, Faculty of Nursing, at 492-6832. ■



EVENTS

EXHIBITIONS

BRUCE PEEL SPECIAL COLLECTIONS LIBRARY

Until 22 December

"John Bunyan: The Books He Read, The Words He Wrote"—an exhibition of mostly seventeenth-century books. Hours: Monday and Friday, 8:30 am to 4:30 pm; Tuesday to Thursday, 8:30 am to 6 pm; Saturday, noon to 5 pm; Sunday, closed. Information: 492-5998. Basement, Rutherford South.

EXTENSION CENTRE GALLERY

Until 30 November

"Prelude Plus"—an exhibition of work by Douglas D Barry, professor emeritus, Faculty of Extension. Gallery hours: Monday to Thursday, 8:30 am to 8 pm; Friday, 8:30 am to 4:30 pm; Saturday, 8:30 to 11:30 am. 2-54 University Extension Centre.

FAB GALLERY

Until 29 October

"Rubens to Picasso—Four Centuries of Master Drawings." Gallery hours: Tuesday to Friday, 11 am to 8 pm; Saturday and Sunday, noon to 6 pm; Monday, closed. Admission: \$6 adults, \$5 seniors, \$3 students and persons under age 18; \$15 family. 1-1 Fine Arts Building.

MUSIC

DEPARTMENT OF MUSIC

14 October, 7 pm (preconcert introduction and reception), 8 pm (concert)

Rennie Regehr, viola, and Jenny Regehr, piano. Program will include works by Hindemith, Rabinovitch, Hummel and Bloch. Lecturer: Adam Krims. Guest host: DT Baker, critic, *Edmonton Journal*. Admission. Convocation Hall.

21 October, 7 pm (preconcert introduction and reception), 8 pm (concert)

Richard Troeger, fortepiano. Program will include works by Haydn, Mozart, Beethoven, and WF Bach. Lecturer: Wesley Berg. Guest host: Richard Moses, radio host, CKUA. Admission. Convocation Hall.

28 October, 7 pm (preconcert introduction and reception), 8 pm (concert)

Kilburn Memorial Concert featuring Louis Quilico, baritone, with Christina Petrowska, piano. Program will include opera arias and piano transcriptions. Admission. Convocation Hall.

FACULTY OF NURSING OPEN HOUSE FRIDAY, 13 OCTOBER 2 - 4 PM

Everyone is invited to celebrate with the Faculty of Nursing the completion of its renovations. A reception will be held in the third floor foyer of the Clinical Sciences Building. Tours will be available and refreshments will be served.

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ACADEMIC STAFF

CHAIR, DEPARTMENT OF OCCUPATIONAL THERAPY

Applications are invited for the position of Chair of the Department of Occupational Therapy at the University of Alberta. The department is located in renovated facilities within the Faculty of Rehabilitation Medicine and offers two degrees: an entry-level BSc degree in Occupational Therapy; and an MSc degree in Occupational Therapy with both research-thesis and coursework-clinical tracts. Established in 1960, the BScOT program admits 74 students per year. The department also participates fully in an

interdisciplinary PhD degree program in Rehabilitation Science.

Faculty members in the department have active research affiliations with the Perinatal Research Centre, the Centre for Gerontology and the Rick Hansen Centre (studies of spinal cord injured athletes). Within the Faculty of Rehabilitation Medicine, the Centre for the Study of Clinical Education conducts research and training workshops related to clinical supervision, and the Rehabilitation Research Centre is a focal point for multidisciplinary basic and clinical research. The Occupational Performance Analysis Unit provides consultation services to the local community. Close working relationships exist with the Glenrose Rehabilitation Hospital and other community-based programs in occupational therapy. The department is also actively engaged in international education, service and research programs.

Qualified candidates should be occupational therapists, with a doctoral degree, who have a proven background in university administration and a demonstrated commitment to and record of scholarly activity in teaching and research. Specialization in an area of physical function would complement current staff expertise. The successful

candidate will be expected to lead the department's strong academic programs, to direct strategic planning and goal-directed initiatives within the University, and to represent the department in professional activities locally, provincially, nationally and internationally.

Rank and salary will be commensurate with qualifications: Associate Professor range: \$48,572 to \$69,664; and Professor range from \$60,355. The position is available 1 July 1996. The deadline for applications is 30 November 1995. Send curriculum vitae and names of three references to: Dr Albert Cook, Dean, Faculty of Rehabilitation Medicine, 3-48 Corbett Hall, University of Alberta, Edmonton, Alberta, Canada T6G 2G4 Telephone: (403) 492-5991. Fax: (403) 492-1626.

MANAGER, EVENTS

The University of Alberta Faculty of Physical Education and Recreation requires an individual to coordinate and manage all events held in the Van Vliet Centre.

The successful candidate will require a university degree and significant event management experience ranging from trade shows and concerts to international sporting events.

This is a one-year contract position reporting to the Director of Operations. The contract may be changed to a continuing Administrative Professional Officer (APO) depending upon the leave status of the current manager.

The position commences immediately. Salary: \$35,000-\$50,000 per annum range plus benefits, commensurate with education and experience.

We thank all applicants for their interest, however, only those selected for interviews will be contacted. For further information, please call 492-3341.

Please submit your résumé in confidence by Friday, 20 October 1995, 4 pm, to: John Barry, Director of Operations, W1-34 Van Vliet Centre, University of Alberta, Edmonton, Alberta T6G 2H9 Fax: 492-1008.

SUPPORT STAFF

To obtain information on support staff positions, please contact Personnel Services and Staff Relations, 2-40 Assiniboia Hall. You can also call the Job Information Line at 492-7205 (24 hours) or consult the weekly Employment Opportunities Bulletin.

Advertisements

ACCOMMODATIONS FOR RENT

ON RAVINE - Furnished two bedroom house, three baths, study. Ten minutes University. Available January through March 1996. \$900/month, plus utilities. 452-8224.

ONE BEDROOM SUITE - \$350 plus utilities. Good deal, bright quiet place, good area. Laundry, parking, close to Old Strathcona and bike paths. 433-2702.

SPACIOUS TWO BEDROOM - elaborate condominium to lease. 9929 Saskatchewan Drive. \$1,450/month. 435-5028.

TORONTO RENTAL - January to July 1996. Furnished house, quiet street, High Park/Runnymede area, near transit (30 minutes to University of Toronto), shopping. Two bedrooms plus study/nursery, laundry, garden. Garage negotiable. \$1,500 +. (416) 769-9291/(403) 433-7232.

VINTAGE 1911 HERITAGE HOUSE - Three bedroom, partly furnished, character plus. Near Queen Alexandra School, Old Strathcona. Phone 439-5833 (message) or 492-5320.

LARGE, BRIGHT - newly renovated basement suite two blocks from campus. Washer/dryer; partially furnished. 1 November; \$400/month. 433-4510.

WINDSOR PARK - To share a bright, modern, fully furnished, comfortable home, private bedroom, bathroom and sitting room, hot tub, \$400/month. Available immediately, 492-1288 or 492-6659.

ACCOMMODATIONS FOR SALE

VICTORIA PROPERTIES - Knowledgeable, trustworthy realtor with Edmonton references will answer all queries, send information, no cost/obligation. "Hassle-free" property management provided. (604) 387-7100, Lois Dutton, Duttons & Co Ltd, #101-364 Moss Street, Victoria, B.C. V8V 4N1

SASKATCHEWAN DRIVE - Spacious 2,880 square foot three bedroom bungalow. 3 1/2 baths, large living room overlooking river valley. Huge 1,477 metres squared lot. \$488,888. Joan Lynch, RE/MAX Real Estate, 433-9025, 438-7000.

MCKERNAN - Unique 2,187 square foot two storey attached residential, three large bedrooms,

three full baths. Office, loft, single attached, single detached garage. \$199,800. Joan Lynch, RE/MAX Real Estate, 433-9025, 438-7000.

TWO HOMES: GREAT LOCATIONS - Ottewell and Highlands. Two lovely character homes; excellent locations; large, nicely landscaped lots; each has basement suite, garage. Must view! \$125,000-\$139,900. November possession. No agents please. 477-7036.

OLD STRATHCONA - Vacant lot in Old Strathcona just waiting to be developed. Close to downtown and University. Lester Steblyk - Royal LePage, 962-4950.

CONVENIENT ACCESS TO U of A - Surrey Gardens condo, two bedrooms plus den, fireplace, five appliances, hardwood, new flooring, walk-in closet and pantry, upgraded bathroom and kitchen, close to all services. One of the best! 481-1698.

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WALK TO CAMPUS - 11114 71 Avenue. Inviting semi-bungalow. Oak floors. Coved ceilings. Finished basement. Two full bathrooms. Five bedrooms. Fenced yard. Quiet street. \$114,900. Barry French, Bill Samis, Spencer Realty, 988-0303.

TRADITIONAL GLENORA CHARM - Convenient to downtown and University. 10512 129 Street. Hardwood, new Berber. Well maintained. Four bedrooms. 1,452 square feet. \$145,000. Barry French, Bill Samis, Spencer Realty, 988-0303.

INGLEWOOD - Architectural heritage district. 10916 126 Street. Gracious Edwardian two storey. Well maintained. Maple floors. Original fireplace. Claw-foot bathtub. Bed and Breakfast licence. Large lot. No sign. \$169,900. Barry French, Bill Samis, Spencer Realty, 988-0303.

IMMACULATE TWO STOREY - with four bedrooms upstairs, parquet floors on main floor, and large basement recreation room. Beautiful treed lot located close to river valley and nature trails on a very quiet street in Riverbend. Ann Dawrant, Spencer Real Estate, 483-7170.

GREENFIELD'S 'BEST BUY' - 1,615 square foot home with three plus one bedrooms, main floor den and family room. Three baths. Developed basement. All this for \$129,500. Near French immersion schools and University busline. Marjorie King, 483-7170/435-0395. Spencer Real Estate.

MILL CREEK/STRATHCONA - Two charming bungalows: newly listed character house, great charm. Also 1,200' renovated with large, beautiful kitchen, separate dining room, new south deck, etcetera. Jean Mackenzie, Sutton Realty, 438-2500.

CHARMING SEMI BUNGALOW - Within walking distance from University. Vaulted ceiling, skylight, hardwood floors. Den, master bedroom, office upstairs, suite in basement. Asking \$142,000. Call Wilma, Coldwell Banker Realty, 483-0601.

SIGNIFICANT REDUCTION - THE BELGRAVIA. Deluxe condominium. Two bedrooms, two baths, underground parking. Asking \$184,000. Convenient to University, hospitals, downtown, river valley. Offers? Pat VonBorstel, Spencer Realty, 483-7170.

NEW CONDOMINIUM - Canmore. Two bedrooms, two baths. Selling 1/4 share. Great view. Indoor parking. 434-7802 or 435-0333.

GRANDVIEW - Only \$153,900. Great location, quiet street. 1,900 square feet of living area. Four bedrooms, walk-out basement. Many fruit trees. Chris Tenove, Spencer, 483-7170.

LUXURIOUS - 1,610 square foot condominium in The Belgravia. Two bedrooms, two baths, underground parking. Faces park; like new. No GST. \$16,000 below new unit. Agnes Fisher RE/MAX, 438-7000.

THE ULTIMATE - Belgravia condo. Premium appliances, faces park. Vacant, never really occupied. No GST. Anxious out-of-province owner. Priced far below identical unit. Agnes Fisher, RE/MAX, 438-7000.

ERMINEKIN CONDOMINIUM - Three bedrooms, two bathrooms, fireplace, five appliances, security system, spacious deck, two parking stalls, 1,813 square feet, numerous upgrades. Extremely clean, \$89,900. 2444 104 Street, 437-1801.

RIVER VALLEY VIEW - One bedroom hi-rise condominium. Neutral décor, well maintained building. Live in caretaker. Minutes to LRT, public transit, river valley parks, trails. \$64,900. Call Shirley Dawson, Spencer Real Estate, 483-7170.

UNIVERSITY AREA HOMES, \$124,900 TO \$139,900! - Belgravia two bedroom plus loft. McKernan, new listing - great location - new half duplex with hardwood, gas fireplace, 2 1/2 baths plus fully finished basement. All properties have flexible possession dates! Call Patti or Kathy, Spencer, 483-7170.

WINDSOR PARK, \$219,000 - Elegant three bedroom home, superior condition, location. Beautifully landscaped large lot. This upgraded bungalow features dark hardwood and Chinese slate. \$11,000 bath, air conditioning, newer mechanical, roof, double attached garage. Call Patti or Kathy at Spencer. 483-7170.

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